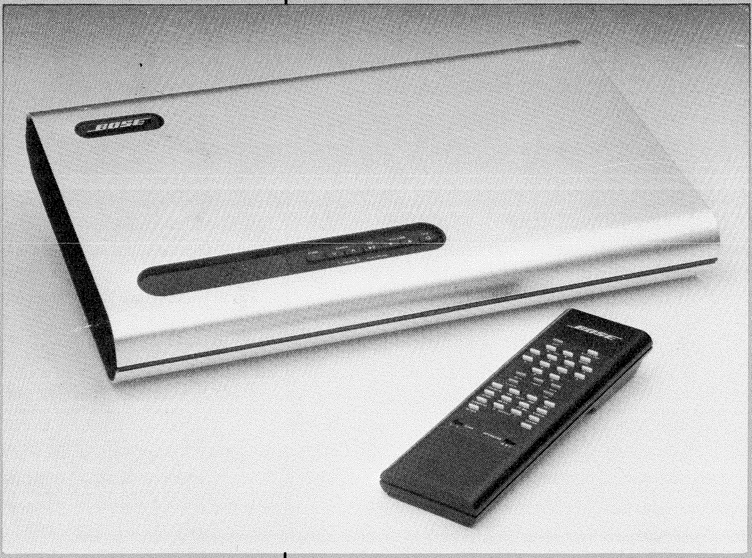
THE BOSE® LIFESTYLE™ MUSIC CENTER OWNER'S MANUAL



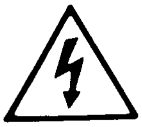
WARNING

To reduce the risk of fire or electric shock, do not expose this system to rain or moisture.

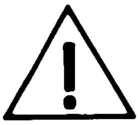
CAUTION

To reduce the risk of shock, do not remove the cover of this system. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

The CAUTION marks shown on this page are located on the back of your system.



The lightning flash, with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the system enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle as marked on the system is intended to alert the user to the presence of important operating and maintenance instructions in this owner's guide.

CAUTION

RISK OF ELECTRICAL SHOCK—DO NOT OPEN

TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

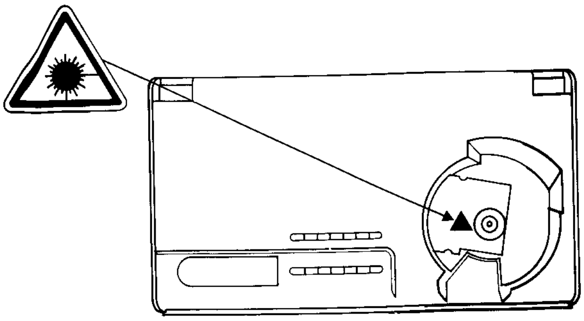
AVIS

RISQUE DE CHOC ELECTRIQUE—NE PAS OUVRIR

AFIN DE PRÉVENIR UN CHOC ÉLECTRIQUE NE PAS ENLEVER LE COUVERCLE ARRIÈRE. IL NE SE TROUVE À L'INTÉRIEUR AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR LÚSAGER. S'ADRESSER À UN RÉPARATEUR COMPÉTENT.

CAUTION

USE OF CONTROLS FOR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.



Safety Instructions

Be sure to read these instructions first, before proceeding with the setup and connection of your Bose® Lifestyle™ music center. Careful attention to safety will ensure the carefree use and long-lasting enjoyment of your new system.

1. **Read Instructions**—Read all the safety and operating instructions before the unit is operated.
2. **Retain Instructions**—Retain the safety and operating instructions for future reference.
3. **Heed Warnings**—Comply with all warnings on the unit and in the operating instructions.
4. **Follow Instructions**—Follow all operating and other instructions.
5. **Water and Moisture**—Do not use the unit near water—for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
6. **Carts and Stands**—Use the unit only with a cart or stand recommended by Bose Corporation.
7. **Wall or Ceiling Mounting**—Mount the unit to a wall or ceiling only as recommended by Bose Corporation.
8. **Ventilation**—Situate the unit so that its location or position does not interfere with its proper ventilation. For example, the unit should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in system, such as a bookcase or cabinet that may impede the flow of air through ventilation openings.
9. **Heat**—Situate the unit away from heat sources such as radiators, stoves, or other appliances that produce heat.
10. **Power Sources**—Connect the unit to a power (mains) supply of the type described in the operating instructions or as marked on the system.
11. **Power-Cord Protection**—Route power (mains) supply cords so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
12. **Cleaning**—Clean the unit only as directed by the Bose Corporation.
13. **Nonuse Periods**—Unplug the power (mains) cord of the unit from the outlet when left unused for a long period of time.

14. **Object and Liquid Entry**—Take care so that objects do not fall into and liquids are not spilled into the inside of the unit.

15. **Damage Requiring Service**—The unit should be serviced by qualified service personnel when:

    A: The power-supply cord or the plug has been damaged; or

    B: Objects have fallen, or liquid has been spilled into the unit; or

    C: The unit has been exposed to rain; or

    D: The unit does not appear to operate normally or exhibits a marked change in performance; or

    E: The unit has been dropped, or the cabinet damaged.

16. **Servicing**—Do not attempt to service the unit in any way beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.

17. **Grounding or Polarization**—Precautions should be taken so that the grounding or polarization means of a unit is not defeated.

18. **Outdoor Antenna Grounding**—If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Installation precautions

Do not install the unit in any of the following since this may result in a deterioration in performance or malfunction:

- Locations with poor ventilation exposed to dust and dirt.
- Locations which are unstable and not perfectly flat or which are susceptible to vibration.
- If this unit is installed near a TV set and they are used simultaneously, the operation of this set could become abnormal or noise be observed on TV screen. In such a case, install the set more apart from the TV set. Also take care that the TV antenna cable does not pass near the connection cords of this set.

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FOR OPERATION IN THE UNITED KINGDOM

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

BLUE : NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this equipment may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

THANK YOU for choosing the Bose® Lifestyle™ music system for your home. We hope you find that it not only provides satisfying listening, but also enhances your family's everyday life.

About This Manual. Operation of the Bose Lifestyle music system differs from that of familiar hi-fi components. If you wish to enjoy the system fully, please take a few moments *now* to familiarize yourself with the basic set-up and operation outlined in the "Preparation" and "Quick Start" sections of this Owner's Manual.

In subsequent sections, you will find more detailed information to enhance both the usefulness of the system and your musical enjoyment. We strongly suggest that you set aside some time to read it through.

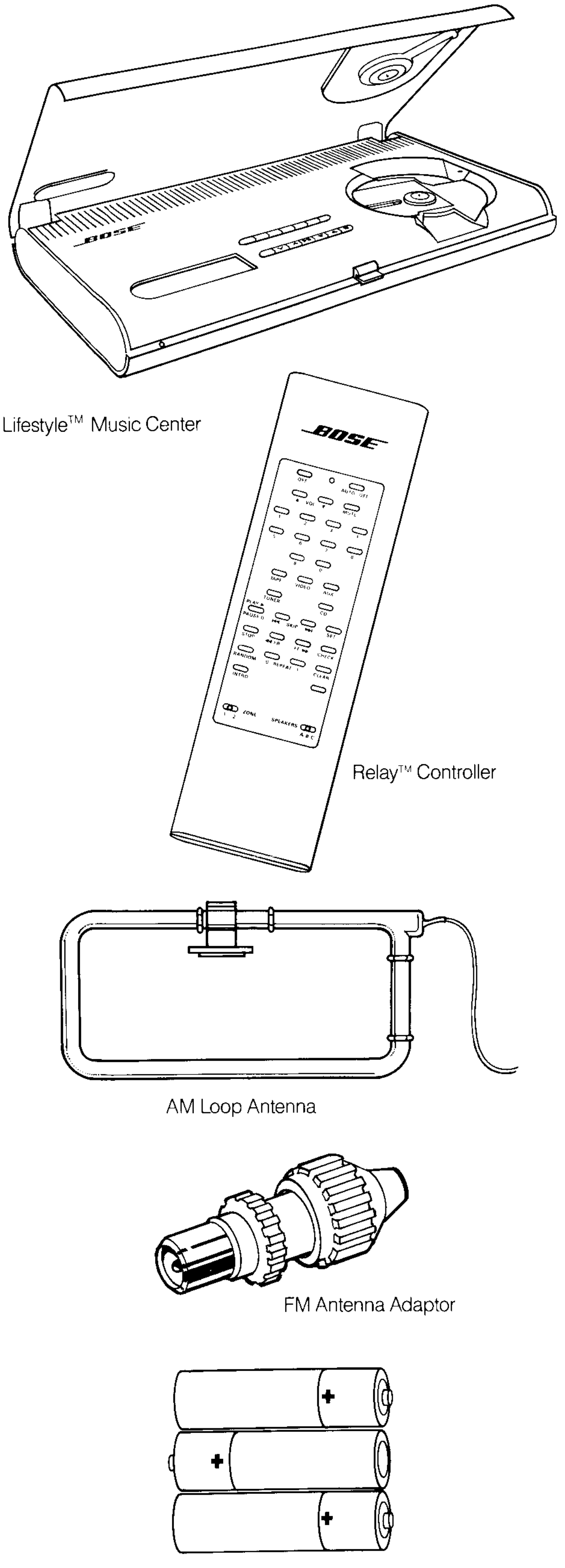
The Lifestyle music system consists of these two main components: *A.* the Lifestyle music center (the Music Center) as sound source, and *B.* one or more powered speakers, such as the Acoustimass® powered speaker system and/or the Lifestyle powered speakers. This manual describes the Lifestyle music center only. Refer to the owner's manuals supplied with your speaker system for additional information on the speakers.

Introduction to the Bose® Lifestyle™ Music System

The Bose Lifestyle music system is quite different from conventional audio systems. Ordinary designs simply play music from one source, in one room or area at a time. The Lifestyle music system can play two *different* sources of stereo music *simultaneously* in two separate rooms or listening areas of your home, called "zones" (see the "Zones—A New Concept" section of this manual). Listening in more than one Zone will help you to appreciate the freedom provided by the Lifestyle music system.

Ordinary systems with remote control require that you be in direct sight of the system to give it commands. The Lifestyle music system's operation can be entirely directed by a unique wireless, high-frequency remote control called the Relay™ controller. The Relay controller will control the system from *any room in the house* or out of doors. Its high-frequency commands penetrate physical barriers, so you can command music from the system *wherever* you happen to be.

Most high fidelity systems need large, obtrusive amplifiers or receivers to provide enough power for realistic sound. Instead, the Lifestyle music system combines with one or several Bose powered loudspeaker designs that contain power amplifier and signal processing circuitry inside the speaker enclosures. Amplified and equalized individually, these speakers are designed using innovative technology to provide unusually realistic sound from an exceptionally compact enclosure. They are suitable for different room sizes, placements, and budgets.



Lifestyle™ Music Center

Relay™ Controller

AM Loop Antenna

FM Antenna Adaptor

Batteries

Figure 1A.

Your Lifestyle™ Music Center carton contains these items

Preparation

A. Unpack the Music Center, Relay™ controller and the accessories from the shipping carton. The items contained in the carton are shown in Figure 1A. *Please* retain the carton materials. If you ever need to transport your Lifestyle music system again, this is the only safe container for that purpose.

B. Choose where to locate the Music Center for your installation. This may be on a shelf or piece of furniture or inside a cabinet spacious enough for the open lid.

Note: *The system generates very little heat, but it is a good idea to leave a few inches of air space above and behind the unit, and minimal ventilation openings should be provided if the main unit is used inside a cabinet. Because the Relay controller's high frequency control signals will pass through walls and enclosures, the system can remain out of sight even when in use.*

C. Load batteries into the Relay controller (see Figure 1B). Slide the battery compartment cover from the bottom surface of the control. Insert three (3) AA-type (1.5v) batteries in the three slots (long-life alkaline batteries are best). Carefully match up the (+) and (–) polarity markings on the batteries with those on the slots.

Note: *Do not touch the factory preset miniature DIP switch, which is explained with house codes in the "Relay™ Controller" section.*

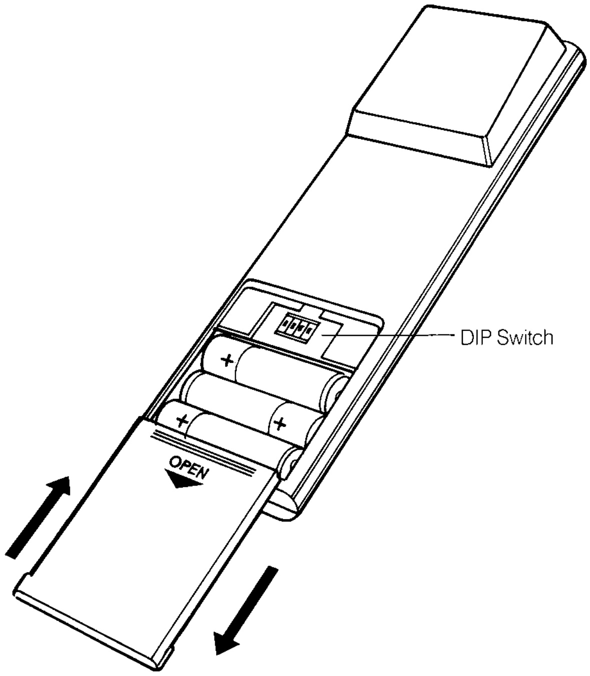


Figure 1B.

The Relay Controller's Battery Compartment

Quick Start

This section will enable you to set up your Lifestyle™ music center quickly, to enjoy it right away. Be sure to refer to the owner's manual provided with each component, as you add it to your new music system. Subsequent parts of this manual contain much greater detail on the system. We urge you to read them also, as soon as possible.

Make all component connections *before* plugging in the AC power cord.

- Connect the Bose® Acoustimass® powered speaker system to the Lifestyle music center using the long audio input cable supplied with the speaker. Insert the long *black* connector into the Music Center's rear panel jack marked SERIAL DATA OUTPUT (see Fig. 2A). Insert the other two connectors *firmly* into the jacks marked Zone 1; the red end into the red (R) jack and the white into the white (L) jack.

Note: *Only the Acoustimass powered speaker system requires serial data output connection.*

- If you have a Bose Lifestyle powered speaker system for a second room or zone, insert its two plugs into the jacks marked ZONE 2, as above.
- Connect the FM antenna to the jack marked FM-75 Ω. Connect the supplied AM loop antenna to the connector terminal marked AM-LOOP (see Figure 2A).
- Plug the Music Center's power cord into an AC (mains) wall outlet.
- Turn the power switch located on the rear panel ON (I). The green power indicator will light (see Fig. 2B) showing that the unit is connected to the mains and is energized.
- The display will not show any information until you select a function.
- To play a compact disc, open the Lifestyle™ music center by pressing the latch found on its front edge. Place a compact disc *label-side up* on the CD spindle (inside the CD tray) to the right. To close the lid, press gently until the latch clicks.
- Set the Relay™ controller's ZONE switch to 1 and make sure its SPEAKERS switch is in position A. Press the Relay controller key marked CD. Wait a few seconds, then press the key marked PLAY/PAUSE (▶||). When the music starts, adjust the volume using the VOL Λ and V keys. (See the "Compact Disc Player Operation" section for further details.)

Note: *Any of the blue keys (except for the OFF key) will turn the Music Center on.*

- To try the tuner, stop the CD by pressing STOP on the Relay controller or the Music Center's control panel. Open the Music Center cover and refer to instructions printed inside the cover to preset a few radio stations. To listen to a station, press its preset number on the Relay controller's numeric keys, then immediately press TUNER.
- If you have a Lifestyle powered speaker system in another area connected to the Music Center's Zone 2 outputs, you may now wish to try it out.
- Enter the Zone 2 listening area, switch the Relay controller's ZONE switch to 2, and repeat the above procedure to hear the CD in Zone 2. (A "chirping sound" from the speakers will confirm each Relay control command.)

Note: *Read "Zones—A New Concept" and related sections of this guide to fully understand two-zone listening. Now you can enjoy the music from your new Lifestyle system as you relax to read more of this owner's manual.*

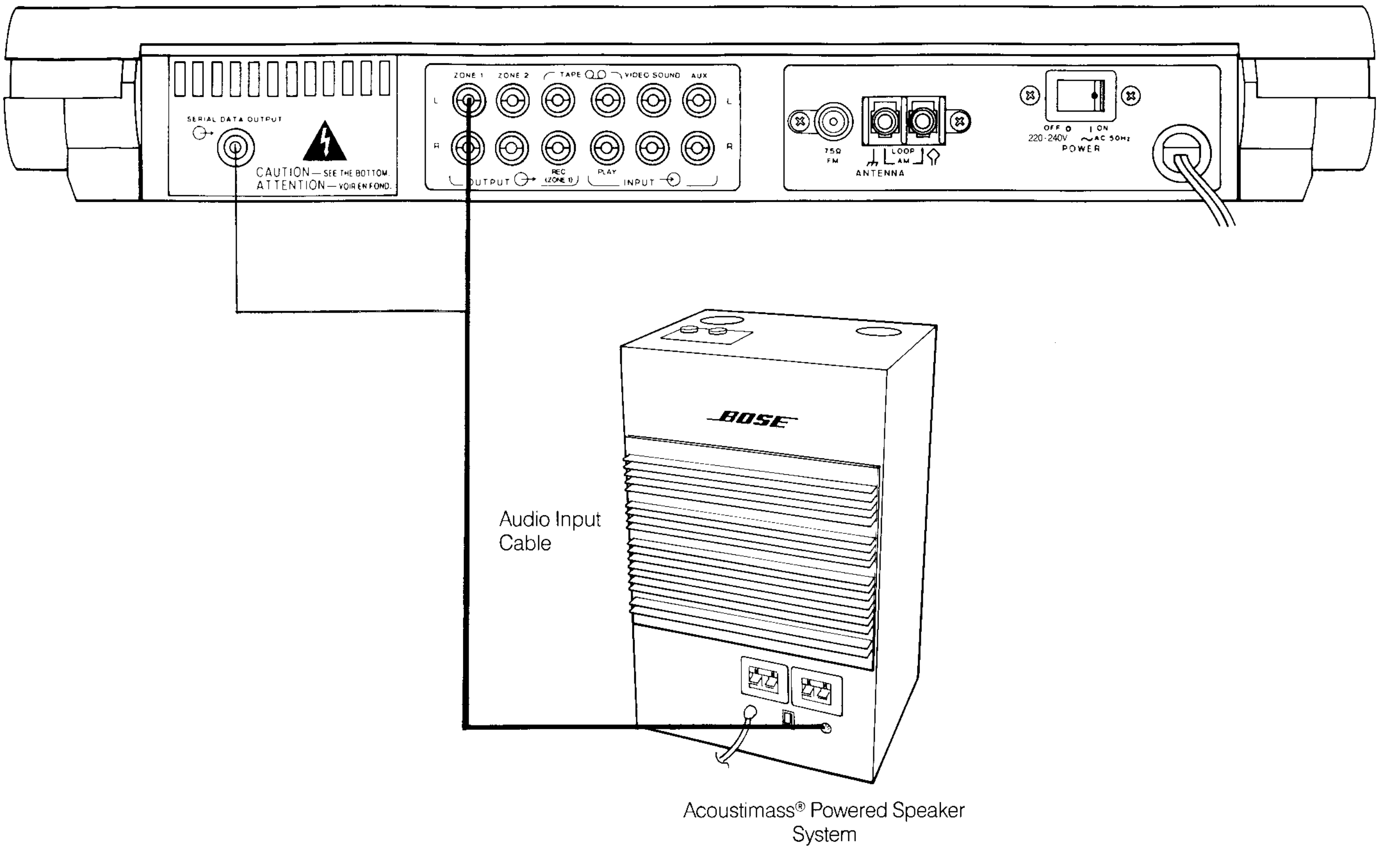

SERIAL DATA OUTPUT
CAUTION — SEE THE BOTTOM.
ATTENTION — VOIR EN FOND.
ZONE 1
ZONE 2
TAPE
VIDEO SOUND
AUX
L
R
OUTPUT
REC (ZONE 1)
PLAY
INPUT
75Ω FM
LOOP AM
ANTENNA
OFF O
I ON
220-240V
AC 50Hz
POWER
BOSE
Audio Input Cable
Acoustimass® Powered Speaker System

Figure 2A.

Rear Panel Connections

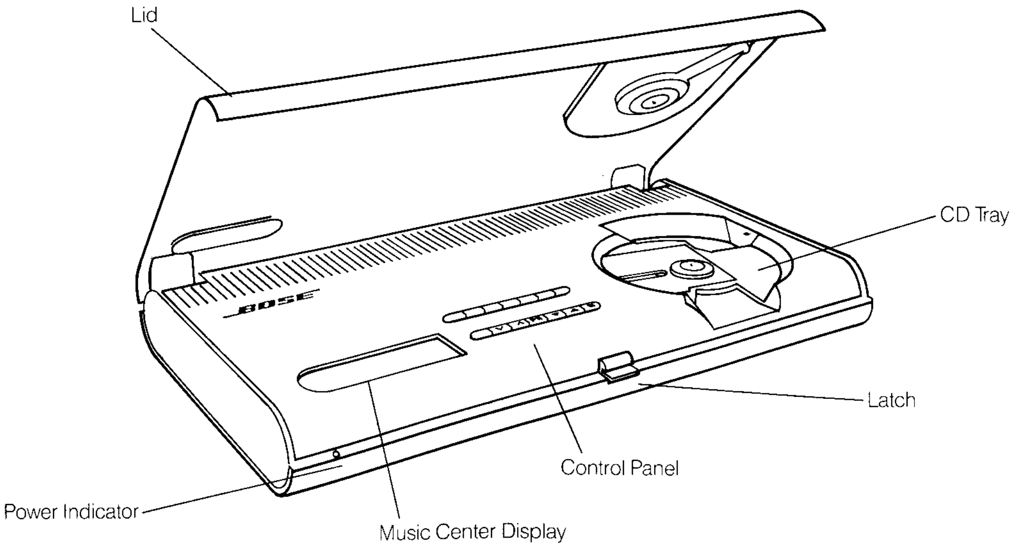

Lid
CD Tray
BOSE
Latch
Control Panel
Power Indicator
Music Center Display

Figure 2B.

Music Center Layout

Zones—A New Concept

The Lifestyle™ music center is designed to provide you with the highest quality music for your home. In addition, it can deliver music to more than one room at a time. In fact, its full range of sophisticated functions can be called up anywhere, with the simple addition of powered speakers in other areas of your home!

Traditional audio systems serve only a very limited area. Now, with your Lifestyle music center, you can direct sound from any *two* sound sources (such as CD, tuner or tape player), or the same source for *two different listening areas* simultaneously. Proprietary electrical circuitry designed by Bose® is what makes this possible. It provides you the freedom to play different music in different areas of your home simultaneously, with all of the control you need.

Each listening room (or combination of rooms) is referred to in this manual as a "zone" (see Fig. 3). Any part of your home can become a listening zone, including some of your outdoor spaces! Figure 4 shows some ways of dividing a home into two zones.

For example: *Zone 1, your primary listening area, might consist of a living room, family room or den. Here you would use the Acoustimass® powered speaker system and the Music Center, though it is not necessary for them to remain in the same room. Zone 2, the secondary zone, may be assigned to an area (room or rooms) where music is a less concentrated activity. This might be your kitchen, bedroom or study. Here you would use either a compact Bose® Lifestyle™ powered speaker system or a second Acoustimass powered speaker system.*

The signals to the two zones are provided by separate line outputs from the Music Center. They are functionally identical in every important regard, so either zone may be assigned to any powered speaker system or systems. The zones are controlled independently by commands from either the Music Center or the Relay™ controller. The system is designed to allow independent operation of each zone.

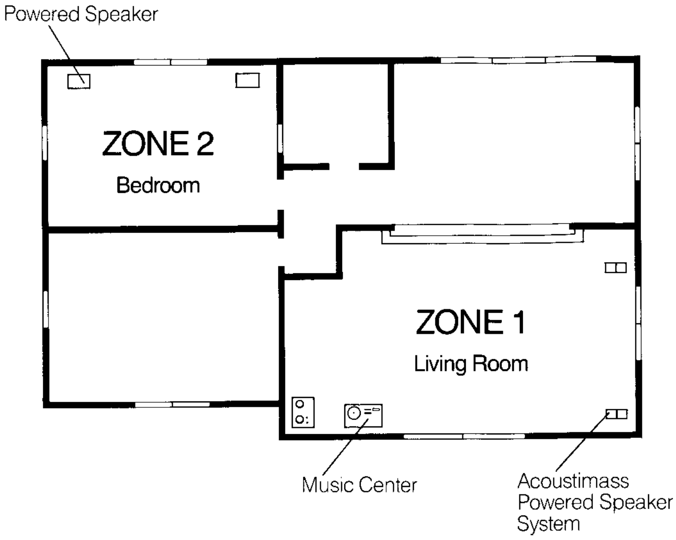


Figure 3.

A two-zone listening arrangement

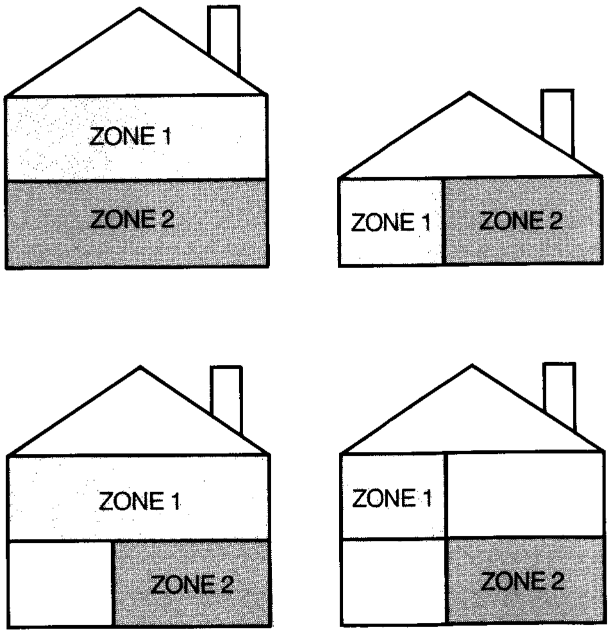


Figure 4.

Various zone configurations

Playing Two Different Sources Simultaneously

Zones 1 and 2 can play different sound sources at the same time.

For example: *Zone 1 selects CD play. Zone 2 can select any other source, such as TUNER, TAPE, VIDEO (sound) or AUX. The operation of both zones can be controlled by either the Music Center control panel or the Relay controller.*

When Zone 1 and Zone 2 are using different sources, each zone's operation can be controlled independently, without affecting the other zone. In essence, *the system serves as two independent audio systems.*

Listening to the Same Source in Two Zones

There are times when both zones may be listening to the same source at the same time. *Only one zone can have control priority* for that source. To avoid confusion it is vital to understand this zone control priority.

The zone that first selects a sound source (CD player or tuner, or an external component) gains exclusive control over that source for the duration of that listening session. However, the other zone can monitor (hear, but not control) that same source, as well.

For example: *When Zone 1 starts CD play, it has control over all CD functions. Zone 2 may also listen to CD, and adjust (or mute) its local volume level. However, Zone 2 cannot pause or stop the disc, change tracks, search, or program the player. The reverse situation is equally true: when Zone 2 begins an activity, Zone 1 will be "locked out" from control of that sound source.*

To learn about changing the established control priority and further operating tips, see the "Two Zone Operation" section.

Note: *Only one radio station can be played by the Music Center's tuner at one time, so two zones will always hear the same tuner program.*

Zone Displays

The Music Center's display normally shows Zone 1 information. When its ZONE key is pressed, or Zone 2 command is given, the display switches to Zone 2 information for about 15 seconds, then reverts to Zone 1 display. When Zone 2 is in use alone, its information is shown continuously.

See "Two Zone Operation" section, for more details.

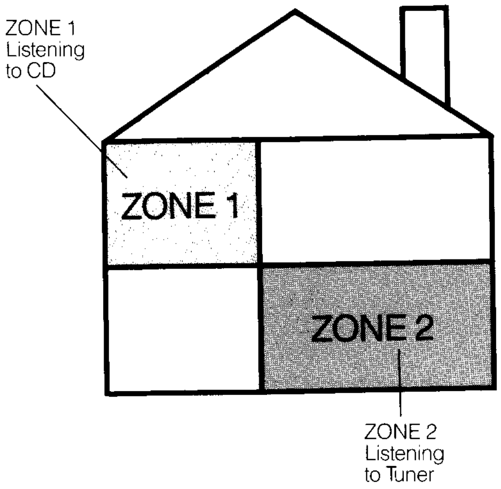


Figure 5.

Playing two different sound sources simultaneously.

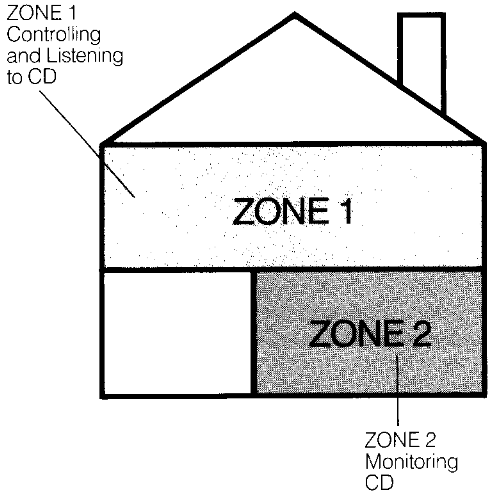
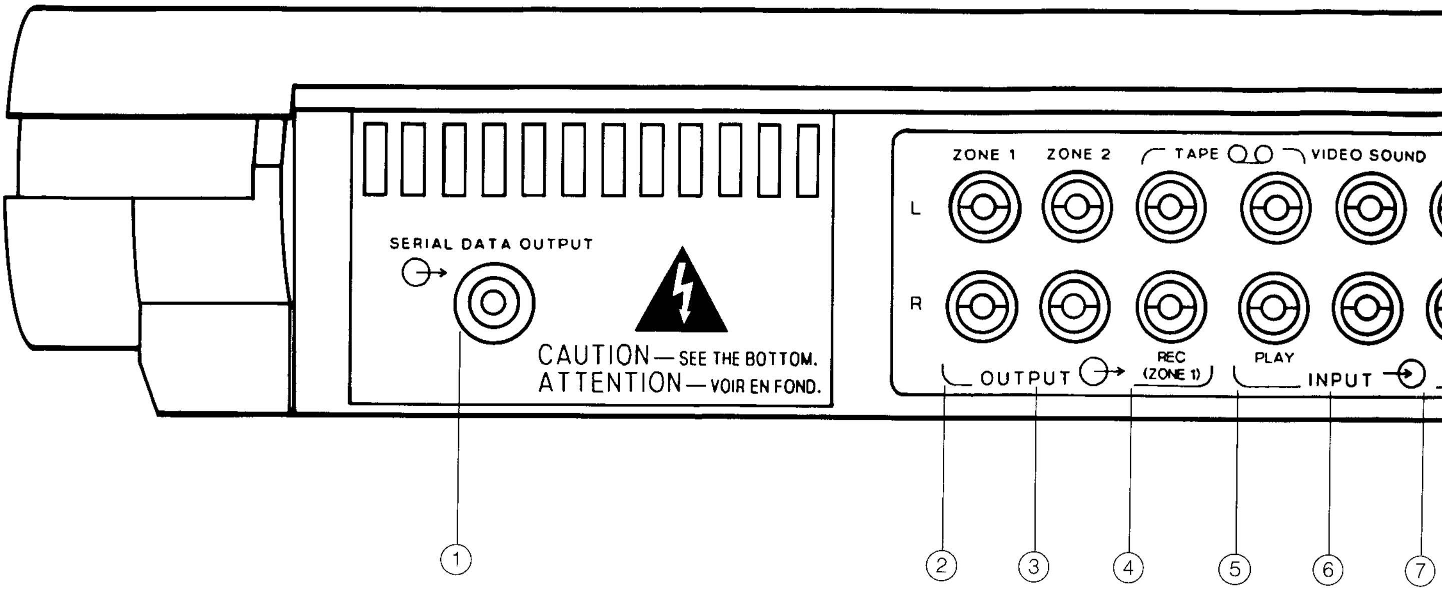


Figure 6.

Listening to the same source in two zones



The Connections

To hear music as it was intended, always take care to insert the left connector into the left jack (white to white), and the right connector into right jack (red to red). (Reversal will do no harm but will reverse the soundstage.)

Complete the connections to the rear panel of the Lifestyle™ music center, (see Fig. 7), with the Music Center's AC power cord *unplugged.*

1. **SERIAL DATA OUTPUT:** Insert black connector of the long coaxial cable leading from the Acoustimass® powered speaker system.

Note: *This jack is used only with the Acoustimass powered speaker system.*

2. **ZONE 1:** Insert the connectors of the long coaxial cable supplied with your Acoustimass powered speaker system. (Alternately, Zone 1 may be connected to another Bose® Lifestyle speaker model. See the "Zones—A New Concept" section above.)

3. **ZONE 2:** Insert the connectors of the long coaxial cables supplied with the Lifestyle powered speaker system.

Note: *The long coaxial line cables supplied with powered Bose systems carry audio signals from the Music Center to the built-in power amplifier.*

4. **TAPE OUT:** Insert connectors of the cable from the *inputs* of an external tape deck in order to record from the Lifestyle music center.

5. **TAPE PLAY:** Insert connectors of the cable from the outputs of an external tape deck (or other line level component) for playback using the Music Center's tape mode.

6. **VIDEO SOUND:** Insert connectors of the cable from the audio outputs of an external component, such as a stereo TV, VCR, or laser videodisc (CD-Video) player. (See the "Using External Components" section.)

7. **AUX:** Insert the connectors of a cable from the outputs of any additional external component, such as a multi-disc CD changer, a second tape player, or any other line-level source.

8. **FM ANTENNA:** Insert the connector from outdoor antenna or house antenna system (see Fig. 8).

Note: *If you use an indoor antenna, select a 75 ohm antenna. For maximum reception, install indoor FM antennas as high as possible, with their arms fully extended. Experiment with orientation for the best performance. Reception will generally improve when the arms of the "T" are perpendicular to a line of sight to the radio transmitter. In fringe areas, an external antenna will usually improve reception significantly, regardless of the geographic location.*

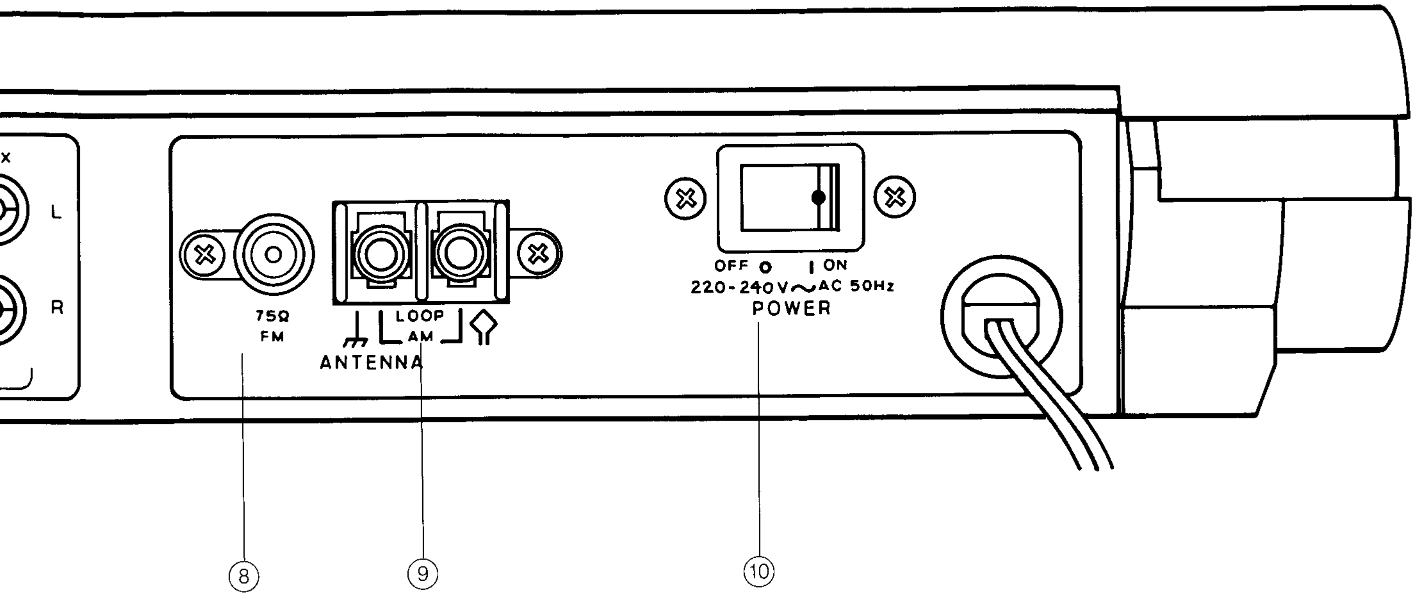


Figure 7.

Rear Panel

To install an antenna, please consult your dealer or experienced antenna expert. Follow all safety instructions.

9. AM ANTENNA: Connect the supplied AM loop antenna to these screw terminals (see Fig. 8).

Important Note: *Locate the AM loop as far as possible from the Music center. Because the Lifestyle™ music center is a dual-source system, AM listening can occur in one zone while a compact disc is playing in another zone. AM interference may result if the AM loop is installed too close to the Music Center.*

Outdoor AM Antenna: An outdoor AM antenna may be connected to the far right jack alone. The supplied AM loop antenna must also be connected as explained above. To install an antenna, please consult your dealer or experienced antenna expert. Follow all safety instructions.

10. POWER SWITCH: The Bose® Lifestyle music system includes a sophisticated operating system. The power switch (located in the rear panel) should be set to I (ON) to energize the system. When OFF (on the control panel) is pressed, the display will go blank; however, AC (mains) power is still supplied to part of the unit's circuitry. When the unit is not to be used for an extended period, set the power switch to O (OFF). The preset memory will be cleared after several days. If this occurs, follow preset procedures.

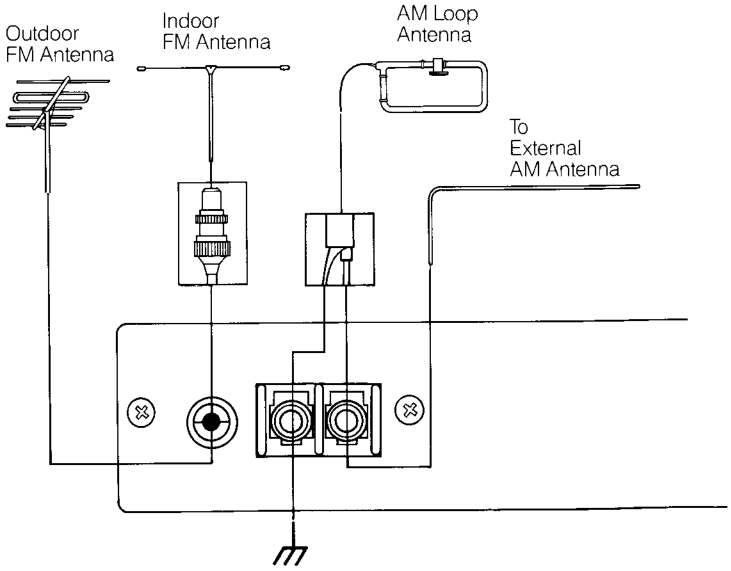


Figure 8.

Antenna Connections

The Music Center Control Panel and Functions

The Lifestyle™ music center's controls for the most part duplicate those found on the Relay™ controller. Generally, you will find the Relay controller to be the most convenient means of control for the system (see the "The Relay Controller" section). The Music Center controls may be used as an alternative when the Relay controller is not nearby.

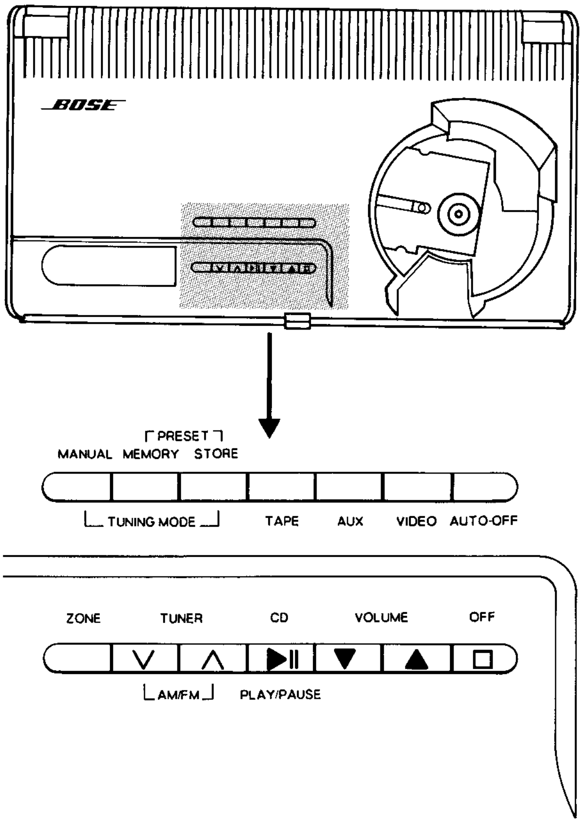


Figure 9.

Music Center Control Panel

Some controls are located beneath the Music Center's lid (see Fig. 9). To open, press the latch located at the center of its front edge. Close the lid by pressing down gently until the latch clicks.

1. **ZONE:** Selects a zone for Music Center control and display.

   The system normally switches on to Zone 1 when any key is pressed. The ZONE key switches Music Center control and display to Zone 2 for approximately 15 seconds; both then revert to Zone 1.

   To gain Zone 2 control and display again, simply press the ZONE key once again. Functions and commands issued for one zone have no effect on a source playing in the alternate zone.

   If the Lifestyle music center is initially turned on by Zone 2 commands from the Relay controller, Music Center control and display will both remain in Zone 2 mode without switching. However, when Zone 1 is called into action (for use of the same source or another), Music Center control and display will revert to the Zone 1 mode.

2. **TUNER∧ /TUNER V:**

   Preset Mode. In preset mode, you may select the next preset radio station, up or down in sequence, from those that have been preprogrammed. (These keys will skip to the next preprogrammed station.)

For example: *if presets numbered 1, 5, and 12 only have been programmed, pressing the key repeatedly will move in sequence 1, 5, 12, 1, 5, 12, 1, etc.*

   Manual Tuning. In manual mode, the TUNER∧ /V keys make 50 kHz (.05 mHz) steps up or down the FM band, or 9 kHz steps up or down the AM band. When held down for a few seconds, the TUNER∧ /V keys automatically search for the next station with usable signal strength. Manual mode is used primarily to program the preset locations.

Note: *The tuner is in manual mode when PRESET disappears from the display.*

   To switch the tuner from FM to AM or the reverse, press the TUNER∧ /V keys simultaneously. When selecting presets from the Relay controller, band switching is automatic.

3. **CD:** Begins compact disc playback with the first press; thereafter, switches between play and pause modes for CD playback.

4. **VOLUME∧ /V:** Adjusts the volume in the selected zone up or down, by small steps when pressed intermittently, or continuously when held down. When the entire system is off, pressing either volume key switches it on, to play the most recently selected preset radio station.

5. **OFF:** Switches off the entire Lifestyle™ music system (both zones). This key will override the Auto-Off delay timer set from either zone.

6. **MANUAL:** Selects between two radio tuning modes, PRESET and MANUAL alternately.

7. **MEMORY (PRESET):** Selects a preset location (up to 30, for any mix of AM and FM stations) for storing a particular radio station. See the "Programming the Tuner" section.

8. **STORE (PRESET):** Stores an AM or FM radio station in a preset location. See the "Programming the Tuner" section.

9. **TAPE, AUX, VIDEO:** Select each of three external component sources for listening in either zone (or both). See the "Using External Components" section.

10. **AUTO OFF:** Activates an internal "sleep-timer" to switch off a zone after a predetermined delay. The delay in Zone 1 may be programmed for from 75 minutes down to 15 minutes, in increments of 15-minutes each. One press of the AUTO OFF key will reduce the delay by 15 minutes.

***For example:** At 10 p.m., a single press of AUTO OFF will shut down the system in 75 minutes at 11:15 p.m. Two presses will cause a delay until 11:00 p.m.; three until 10:45 pm., etc.*

Auto-Off may be called up independently for Zone 2. It will shut down Zone 2 only, leaving Zone 1 unaffected if in use. Zone 2 Auto-Off may be set for a fixed 60-minute delay only.

A clock icon in the display indicates that Auto-Off is "armed." (See "The Music Center Display" section.)

The Music Center Display

1. **ZONE:** Indicates the zone.

2. **CD/TUNER/VIDEO/TAPE/AUX:** Indicates selected function for the zone.

***Note:** Zone 1 and Zone 2 may engage in different functions.*

3. **PRESET/TRACK:** In CD mode, displays which track is playing. In tuner mode, displays the preset location.

4. **FM/AM:** Displays the radio station band.

5. In tuner mode, these numbers indicate the frequency of signal received. In CD mode, they show the time elapsed from the beginning of the track being played.

6. **STEREO:** Lights up when a FM stereo signal of sufficient strength is received.

7. When lit, indicates that the unit is in auto shutoff mode.

8. Indicates that a compact disc is not in position when CD PLAY key is pressed.

9. Displays when the CD player is in the repeat mode.

10. Indicates that the CD is in pause mode.

11. Indicates that a CD is being played.

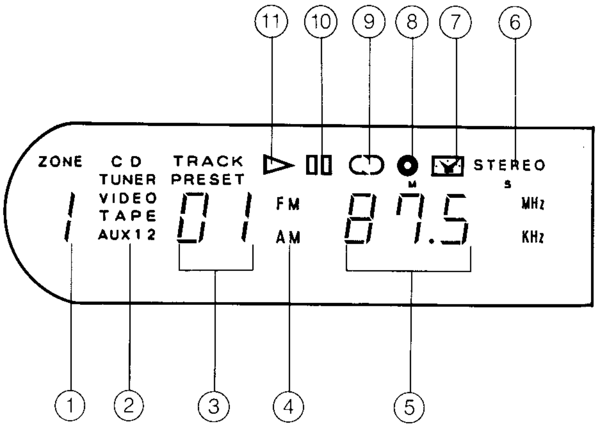


Figure 10.

Music Center Display

Relay™ Controller

The Relay controller is used for remote control of Music Center functions. It emits high-frequency radio commands of digitally-pulsed data. It is not necessary to maintain direct line of sight between the Relay controller and the Lifestyle™ music center, nor to be in the same room as the Music Center. The Relay controller is effective within a range of 20 meters from the Music Center. It can control the system from around corners, behind interior and/or exterior walls, or even out of doors.

1. **ZONE:** The Zone 1-2 switch in the lower left corner of the Relay controller directs which zone it will control. In the Zone 1 position, all functions will be directed to Zone 1 only, or to a source given Zone 1 priority. In the Zone 2 position, the opposite is true; controls affect only Zone 2 priority source and Volume/Mute adjustment. (See the "Zones—A New Concept" section.)

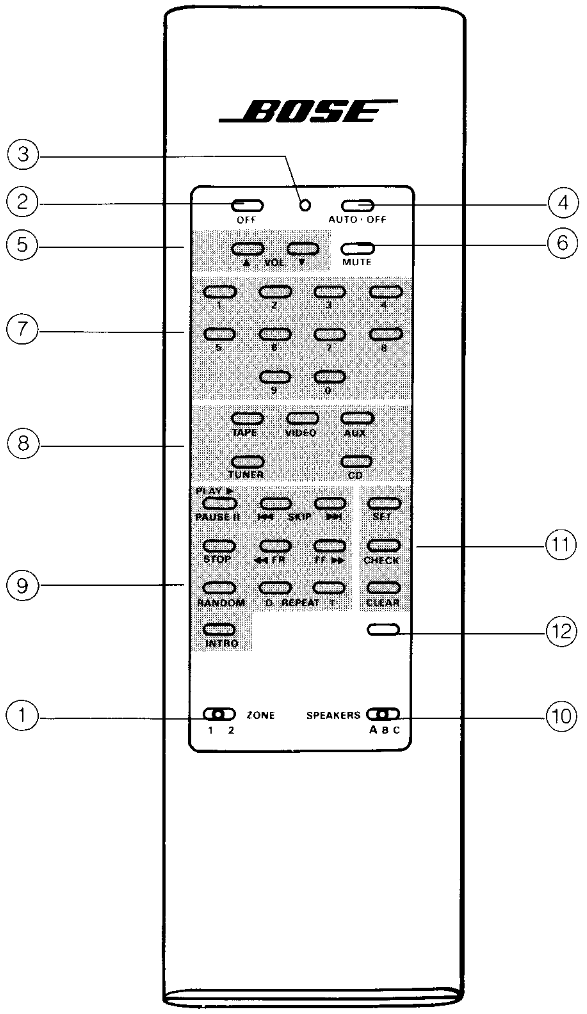


Figure 11.

The Relay Controller

When commands are given for Zone 2, an audible response will confirm your action. Only Zone 2 speakers emit a single "chirp" (regardless of what is currently playing from them) to confirm a command. Four chirps in quick succession indicate a command conflicts with the established zone priority.

Example A: *Zone 1 initiates CD playback. Zone 2 sends a CD "STOP" command via the Relay controller when its zone switch is set to Zone 2. Zone 2 hears four chirps, and the CD plays on. Nothing else happens due to Zone 1 priority.*

A longer, continuous chirping for about one second indicates some other impossible command was given.

Example B: *Zone 2 plays TAPE. Zone 2 presses RANDOM key. A long continuous chirp tone will be heard in Zone 2; this key has no function in the tape mode.*

2. **OFF:** Turns the system off when only one zone is in use. When both zones are in use, the OFF key switches off only the zone for which the Relay controller is currently set.

Note: *When both zones are in use, shutting down the entire system requires two presses of the OFF key, separated by a change of the ZONE switch. However,* the Music Center's OFF key switches off both zones simultaneously.

3. **LED:** Lights to show that a Relay controller key has been pressed.

Note: *When the LED does not light up, the Relay controller will still work but needs new batteries. Alkaline batteries are recommended. Replace all three batteries at the same time.*

4. **AUTO-OFF:** Activates an internal "sleep-timer" that will switch off the selected zone after a predetermined delay. (See Auto Off in "The Music Center Control Panel" section.)

5. **VOL Λ/V:** Adjusts the volume in the selected zone up or down by steps when pressed intermittently, or continuously when held down.

Note: *In Zone 2, a repeated chirping will be heard when volume is adjusted continuously.*

6. **MUTE:** Mutes the volume completely in a selected zone when pressed once. Press again to restore the previous volume level.

Note: *Pressing either volume key also automatically releases muting.*

7. **0–9 (NUMERIC KEYS):** Help program the CD player or tuner preset. Pressing a numeric key alone has no effect. These keys are also used for direct access to a CD track or radio station stored in the memory. (See the "Listening to Compact Discs" and "Listening to Radio" sections for further details.)

8. INPUT SELECTOR KEYS:

TUNER: Selects the tuner mode.

CD: Selects and prepares to play compact disc player.

TAPE: Selects an external component connected to the TAPE PLAY jacks.

VIDEO: Selects an external component connected to the VIDEO SOUND input jacks.

AUX: Selects an external component connected to the AUX INPUT jacks.

See the "Using External Components" section.

9. CD PLAYBACK KEYS:

PLAY ▶/PAUSE ||: Begins compact disc playback; pauses if a disc is playing; resumes play if a disc is paused.

STOP: Stops CD playback.

>>|**SKIP:** Skips forward a track.

|<< **SKIP:** Skips back a track.

FF >: Searches forward quickly, with sound.

FR <: Searches in reverse quickly, with sound.

REPEAT D: Repeats an entire disc.

REPEAT T: Repeats a single track.

RANDOM: Plays all tracks on a disc in a random order.

INTRO: Automatically plays the first ten seconds of each track on a disc in sequence.

See the "Listening to Compact Discs" section.

10. SPEAKERS: For future use only. The position of the switch has no effect on either zone.

11. CD PROGRAMMING KEYS:

SET: Stores a track in the memory.

CLEAR: Deletes a programmed track.

CHECK: Music Center displays the programmed track in sequence.

See the "Programming the Compact Disc" section.

12. BLANK KEY: For future use with CD changers.

The House Code System. In the unlikely event that the commands you give to your Relay™ controller should conflict with those of another, nearby Lifestyle™ music system, you will need to establish a new, non-conflicting house code for your system.

Make sure that your unit is plugged in, and the rear-panel power switch is ON (I). Remove any CD from the unit and close the cover. Turn the unit over.

Change the position(s) of switch 2, or 3, or 4 by moving it in the opposite direction. **Be sure to change exactly the same switch positions on the Relay controller.** Otherwise, the system will not respond to the Relay controller commands.

Turn the rear-panel power switch OFF (O), **House Code changes will not take effect until the Music Center has been turned off by the rear-panel power switch.** Turn the unit over again.

Switch 1 of the house code system (on the Music Center) is factory preset. It is used to change the Zone 2 output from variable to fixed (line-level). This switch should be left in its original position, both on the Music Center and the corresponding switch on the Relay controller.

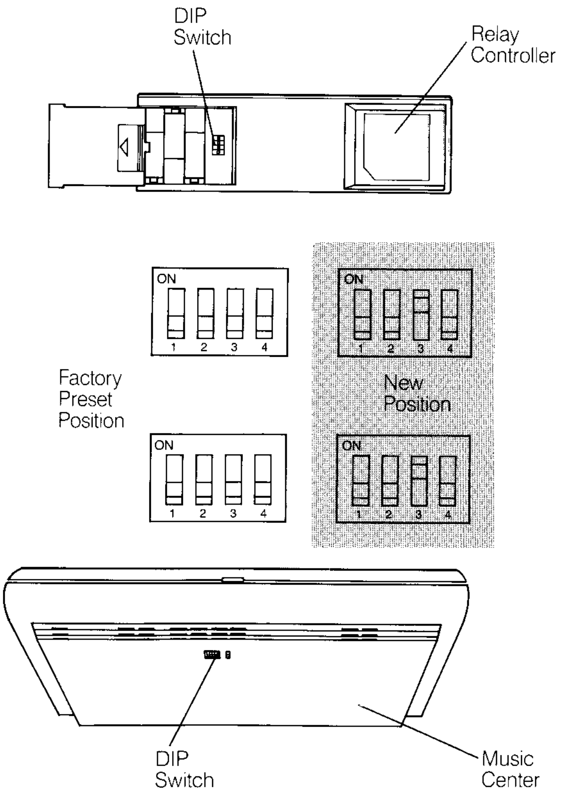


Figure 12.

The House Code System

Tuner (Radio) Operation

The Lifestyle™ music center's AM/FM tuner will store up to 30 selected stations in the memory (Preset). Any selection of AM and FM stations may be preset in any order, regardless of where they are found in the dial. In most areas, this will accommodate the majority of stations with usable signal strengths on both bands. A label is provided on the rear of the Relay™ controller for easy reference to any radio stations you choose to preset, as explained below.

Programming the Tuner

The tuner is programmed using the Music Center control panel. Please take a few moments to learn the programming system for storing your favorite stations, described below.

Note: *Because of this large reservoir of stored radio stations, tuner operation is simplified by using presets, rather than reliance on manual tuning used with conventional audio systems.*

Begin by turning the Music Center off (press the OFF key). Open the Music Center lid to access the full control panel inside. Then press TUNER Λ. This resets priority to Zone 1 and selects the tuner band last played.

Note: *It is helpful to have a pencil and paper available to record each station's location as you enter presets.*

1. To change to the AM or FM band for the first station you wish to store, press *both* the TUNER Λ and V keys *simultaneously.* The tuner will switch from FM to AM (or reverse). The display will change accordingly from "FM.......mHz," to "AM....kHz."

2. Press the MANUAL key until the PRESET indicator in the display goes off. Manual tuning is now possible. The tuner is now ready to store stations.

Note: *After 15 seconds with no manual activity, the tuner will revert to preset mode. Simply press the MANUAL key once again to regain manual control.*

3. Press the TUNER Λ key or V key intermittently to approach the desired station frequency.

   Alternatively, hold the TUNER Λ or V key for about two seconds, then release: The tuner will "seek" up or down the band, stopping automatically at the first broadcast with sufficient signal strength. If this is not the preferred station, repeat until the desired station is selected.

4. To store a selected station, press the MEMORY key. PRESET will flash in the display, indicating a preset location, 1 through 30, may now be selected for the station.

Note: *This condition will last for about 10 seconds; if the PRESET indication goes out before you have stored a station, simply press MEMORY again.*

5. While the PRESET indicator flashes, select a preset location for your station using the TUNER Λ or V keys again. Press either key repeatedly to reach the desired preset number (the radio station won't change now, just the preset number and location you are about to load). Preset numbers step up in sequence on the display window: 1, 2, 3,...29, 30, 1, 2,... (Or reverse, if you use the V key.)

6. When the desired preset number appears in the display, press the STORE key. Your station is now stored in memory and will play whenever that preset number is called.

7. To store another station in the same (AM or FM) band, repeat steps 2–6. To store a station from the other band, repeat steps 1–6. A preset location may be changed at any time. When a new station is stored, a location's previous station will be "forgotten."

Note: *Few people listen routinely to 30 radio stations, so some preset strategy may be in order. For instance, you might want to store your favorite half-dozen stations in positions 1–6, those you use only rarely (for out-of-town ball games or foreign-language broadcasts) at another location—25 through 30, for example. Or you might assign each household member his or her own preset region; a station may be loaded into more than one preset location.*

During power outages or when the Lifestyle music center is unplugged, the presets will remain in memory for several days. After a more extended period the memory may have cleared. If this occurs, the preset procedure may be followed again. You can record these presets on a label on the back of the Relay™ controller.

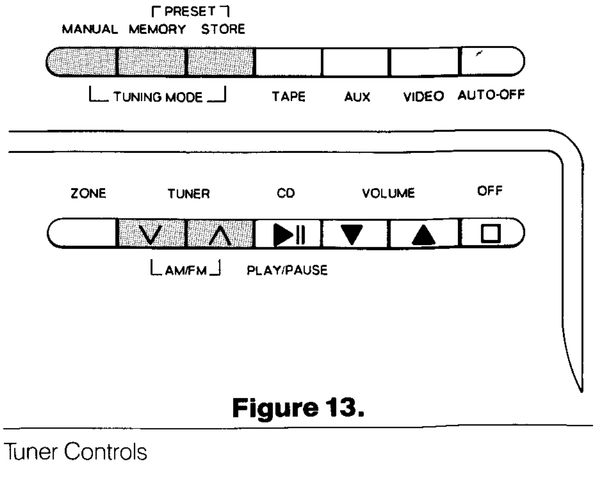


Figure 13.

Tuner Controls

Listening to the Radio

Listening to the Lifestyle™ music center's tuner is a simple matter of calling up the preset station you wish to hear. The procedures are slightly different for the Relay™ controller and the Music Center controls. *Tuner Priority* is given to the zone that first calls the tuner. Priority stays with the originating zone until that zone switches off the tuner, or selects CD or an external source. (See the "Two Zone Operation" section.)

Remote Tuning Using the Relay Controller:

Press TUNER to turn the system on. The radio will automatically select the most recently used preset station. Pressing TUNER again in sequence will step up through the stored presets, beginning from the last-used preset. The sequence runs to 30, then starts again at 1. From the Relay controller, AM/FM band switching is always automatic.

Direct Access: You may access presets directly. Press the numeric key(s) for the preset number of the station you wish to hear. Now press the TUNER key. The Music Center's tuner will switch automatically to that station. Two (2) numbers must be entered for presets 10 and up.

For example: *To listen to Preset 14, press 1-4-TUNER. Presets 1 thru 9 may be entered with a single digit. Pressing either 1-TUNER or 0-1-TUNER will select preset 1.*

Direct access is not possible when the system is off: You must first switch to on by pressing TUNER.

Tuning from the Music Center:

Note: *Many functions require pressing more than one key. When giving multi-key commands, leave a slight pause—of about one second—between keystrokes.*

Press either the Music Center VOLUME key or TUNER to switch on to the most recently selected radio station.

To change to another station, press the TUNER Λ or V key to step through all existing presets in that band. (Preset locations on the other band will be skipped.)

Note: *To hear a preset on the other band, you must first switch bands by pressing the TUNER Λ and V keys simultaneously.*

To listen to a station that is not preset, tune a station manually by following steps 1. and 2. in "Programming the Tuner." A manually tuned station will be remembered if the Lifestyle music center is switched off, and can be recalled by pressing the MANUAL key to switch the unit on. However, when a preset is subsequently called up, a manually tuned station will be "forgotten."

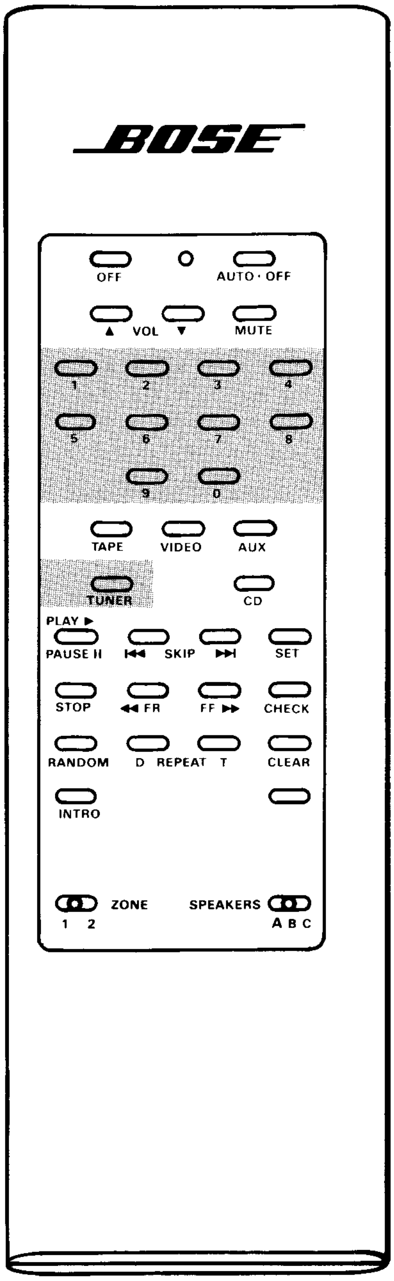


Figure 14.

Tuner Keys on the Relay Controller

Compact Disc Player Operation

Playing a Compact Disc (CD)

The digital compact disc has revolutionized high fidelity listening. CD's will provide the best reproduction and the greatest convenience available from the Lifestyle™ music center. Remember, the CD player can only be controlled, programmed, or stopped by the zone with CD priority. (See the "Two Zone Operation" section.)

Load a compact disc by opening the main unit (release the latch on its center front edge) and placing the disc gently over the spindle *label side up.* Three-inch, "CD3" miniature discs are loaded in the same fashion.

Note: *No harm will come from placing a disc upside down. However, it will not play, and the "No Disc" icon (0) will appear on the display window. Always handle discs by their edges only, to avoid leaving fingerprints on the data surface. Store CD's in their cases, vertically and away from heat or direct sunlight.*

Close the lid by pressing down gently until the latch clicks (the CD player will not operate with the lid open).

CD playback can be started by either the Relay™ controller or the Music Center control panel. To start from the Music Center, press PLAY/PAUSE (▶||) once to begin disc playback. The display in the Music Center will indicate the total number of tracks and total amount of time for the CD and will begin the playback. Pressing PLAY/PAUSE (▶||) will alternately play, pause, and resume the playback. All other CD functions and programming must be performed using the Relay controller.

Note: *If the Music Center is already in the CD mode, the disc will begin to play automatically when the lid is closed.*

Caution: *Do not directly touch the laser pickup in the disc tray with your fingers. If the lens surface of the laser pickup becomes dirty or damaged, correct CD playback will become impossible. To protect the laser pickup from damage, be sure to keep the top cover closed when it is not necessary for it to be open.*

Remote CD Play Using the Relay Controller

To Play: Press the Relay controller's CD key. (See Fig. 15.) Disc playback will begin directly. The Music Center display shows Track 01 and Track 1's elapsed playing time in minutes and seconds. A play icon (▶) on the display indicates that the disc is playing.

To Pause: Press the PLAY ▶/PAUSE || key again. Disc playback is suspended, and the play icon on the display window changes to a pause icon (||). Subsequent presses of the PLAY ▶/PAUSE || key will alternate back and forth between play and pause modes.

For Direct Track Access: Press the numeric key(s) for the CD track number you wish to hear, then press the PLAY ▶/ PAUSE || key. The CD player will move automatically to that track.

Note: *Two digits must be entered for tracks numbered 10 and up. Pressing either 1, PLAY ▶/PAUSE ||, or 0, 1, PLAY ▶/ PAUSE || will move to track 1.*

To Skip Forward: To skip ahead one track, press ▶▶| SKIP (forward skip) key once. The next track will begin to play. The display will change to show the next track and the new track's elapsed time. To skip ahead more than one track, press the ▶▶| SKIP more than once.

To Reverse Skip: To skip to the beginning of the *current* track, press the |◀◀ SKIP (reverse skip) key once. To skip back to the previous track, press the |◀◀ SKIP twice. To skip back more than one track, press the |◀◀ SKIP key more than twice.

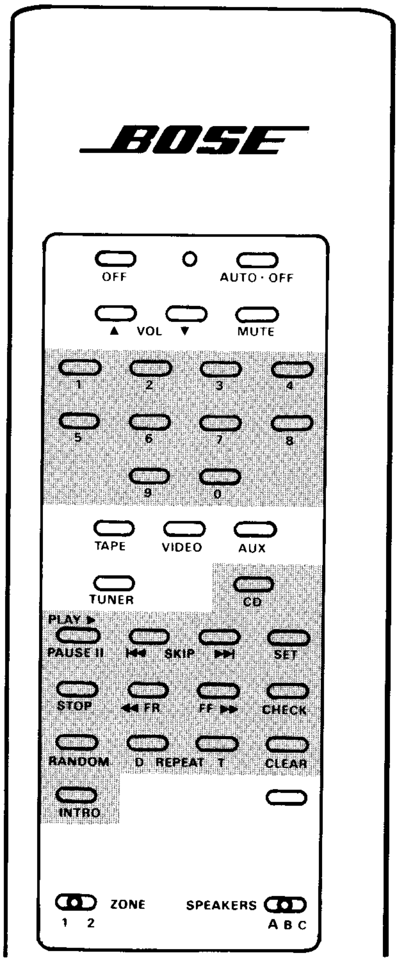


Figure 15.

CD Player Keys on the Relay Controller

For Audible Fast Forward/Reverse: To move quickly *within* a track, hold down the ▶▶FF or ◀◀ FR key. A clicking sound will be heard as the laser pickup samples the disc at a higher rate. You can move past track boundaries by using either key. The display will update track and time data. You may move ahead or back inaudibly by first selecting pause with the PLAY ▶|PAUSE || key.

To Repeat Track: To play a track over and over, press REPEAT-T while the track is playing or while the CD player is paused on the desired track. The repeat icon (🔁) will flash in the display window to indicate track repeat is engaged. Track repeat will continue until switched off entirely, or until cancelled. *To cancel repeat,* skip to the next track by pressing ▶▶FF, or press ◀◀ FR, to hear a full repeat one last time.

To Repeat Disc: To repeat an entire disc, press REPEAT-D anytime the CD player is in use (playing, paused, or stopped). The repeat icon (🔁) will light *continuously* in the display window, to indicate disc repeat is engaged. Disc repeat will continue until the system is switched off entirely, or until STOP is pressed.

For Random Play: Press the RANDOM key any time the CD mode is in use to hear a disc's tracks in random sequence. This disc will repeat (effectively, disc repeat) with a new random sequence each time, until STOP is pressed or the unit is switched off.

For Intro Play: Press the INTRO key to hear the first 10 seconds of each track on the disc in normal sequence. This may be used to preview contents, or to locate a specific selection. For longer or shorter intro play, first key the desired duration in seconds (1-59 seconds) using the numeric keys, then press the INTRO key.

For example: *Press "3, 0, INTRO." The first 30 seconds of each track on the disc will play in sequence.*

To cancel Intro play, press STOP at any point. Normal playback will commence from the current track.

Programming The Compact Disc Player

The Music Center's compact disc player can continuously repeat a favorite track or disc. It may also be programmed to play CD tracks in any order you choose. Up to 20 tracks can be programmed in a sequence.

To Program Play: With the player in the stop mode (after pressing STOP), press the track number of the first track in a desired sequence using the numeric keys. The display will flash this track number for about five (5) seconds. While the number is flashing, press SET to store the first programmed selection. Repeat for additional tracks you wish to program, in sequence, up to a maximum of 20 tracks.

Note: *A track may be programmed more than once, at any point in a sequence. A non-existent track selection (for example: track 11 on a disc with only 10 tracks) will be displayed, but not programmed.*

Press the PLAY ▶/PAUSE || key to play the programmed sequence. It will begin with the first track entered, in the sequence you programmed. Playback will stop after the last programmed track.

Note: *You may program a sequence while a disc is playing in the normal playback mode. Start playback of the programmed sequence by pressing the PLAY ▶/PAUSE || key following normal play or use of the STOP key.*

Example: *To program a sequence of tracks 7, 1, 3, 10 press the following keys: 7-SET-1-SET-3-SET-1-0-SET.*

To Check Your Program: Press CHECK to display the program number and its first programmed selection. Press CHECK again to view the track programmed as the second selection, again for the third, and so on. You may check a programmed sequence while the disc plays.

Example: *To see the program entered in the last example, press CHECK. The display will show P-1 Track 7. Press CHECK again. The display will show: P-2 Track-1, and so on.*

To Cancel a Program: With the CD player in stop mode, press CLEAR to cancel an *entire* programmed sequence. After clearing, the PLAY ▶*/PAUSE || key will revert to normal playback only. To delete individual* tracks from a sequence, press CHECK one or more times to call up the unwanted track/program numbers on the display. Then press CLEAR while the unwanted track number is displayed. You may repeat this procedure to delete more than one track from a program.

To Program Using Intro-Play: One easy way to program a sequence combines intro-play with the programming features. Press INTRO to begin intro-play. While the selected track's intro segment is playing, press SET. Press SET again during the Intro for each track you want in a programmed sequence. After intro-play concludes, press the PLAY ▶/ PAUSE || key to hear the programmed sequence in full.

Tips on Using Compact Discs

COMPACT disc DIGITAL AUDIO Only those compact discs with the symbol shown at the left can be played with this unit. Any other type of disc cannot be played.

Dirt, dust, scratches or warping can affect a compact disc and result in noise or other malfunctions. Please take precautions to avoid this.

Abnormal sounds may be heard from inside the unit if a defective disc is played. Such discs should not be used.

Do not directly touch the laser pickup in the CD tray with your fingers. If the lens surface of the pickup becomes dirty or damaged, correct CD playback will become impossible. To protect the laser pickup from damage, be sure to keep the top cover closed.

Condensation: In some instances, if condensation forms inside the CD player, water droplets on the pickup lens or unit may cause malfunctions. This might occur when:

1. The unit is in an initially cold room that is warmed up rapidly.

2. The unit is moved from a cold location to a warm location.

3. The unit is used in a room full of steam or moisture.

Depending on ambient conditions, such condensation will normally evaporate if the unit's power is switched on and left on for about an hour. If there is any indication that condensation may have formed, remove the disc and leave the system turned on for about one hour before use.

Using External Components

The Music Center can control as many as four external components (see Fig. 16). The Relay™ controller, however, will not command any external component operations, but can select among them and maintain volume and mute control for each zone individually. The instructions below refer to the Relay controller. However, the same results can be achieved by using the Music Center control panel.

Note: *Certain external units, such as a tape player or CD changer, can be operated using the Relay controller. Please see your Bose® dealer to learn which models are included.*

Tape: To use an external tape recorder (analog audio cassette, analog open reel, or digital audio tape), follow the instructions in "The Connections," section.

To hear tape playback, press TAPE on the Relay controller. Either zone (or both) may listen to the tape output.

To record, play the source you wish to tape in Zone 1, with the recorder set for record. (Zone 1 and the tape recorder always have the same signal.)

Video: To listen to audio sound from a video component or system connected to the video sound inputs, press VIDEO on the Relay controller. Either zone (or both) may listen to the video output.

Note: *You may use the Lifestyle™ music system as part of a surround sound system. Connect the main video sound source to the VIDEO inputs, and the surround-sound processor's outputs to the AUX inputs. Zone 1 outputs must be connected to powered speakers suitably located for the Front channels. Zone 2 outputs must be connected to powered speakers located for the Surround (rear) channels. To hear surround sound, select VIDEO for Zone 1; select AUX for Zone 2. Adjust the volume for each zone independently to achieve desired front/rear balance.*

Auxiliary: Another component, such as an outboard CD player, a multi-disc CD changer, or a second tape deck may be used with the AUX inputs. To listen to an auxiliary component, press AUX on the Relay controller. Either zone (or both) may listen to an auxiliary component.

Turntable: To use a turntable with the Lifestyle music center, a phono preamplifier is required. Consult your Bose® dealer to determine which model of preamplifier is appropriate for your use.

Headphones: A stereo mini headphone jack is provided on the music center's right side. This will accept many popular headphone models directly. (Your authorized Bose® dealer can provide an adapter, if necessary.)

When headphones are connected, the output to Zone 1 will be internally disconnected, to facilitate private listening. Zone 1 volume adjustments will be heard on the headphones. (Zone 1 mute will have no effect.) Zone 2 operation is unaffected.

Second tape: Input is provided on the right side of the main unit, next to the headphone output jack. This is a single-point, stereo mini headphone jack. (Your authorized Bose dealer can provide an adapter cable, if necessary.) It is intended for convenient use of a second tape source, such as personal tape or CD player, or a portable stereo. Press TAPE to hear a component connected at this jack.

***Important note:** A component connected to this input overrides any component connected to the rear-panel TAPE IN jacks; a component connected to the rear-panel jacks will not be heard, even if it is playing.*

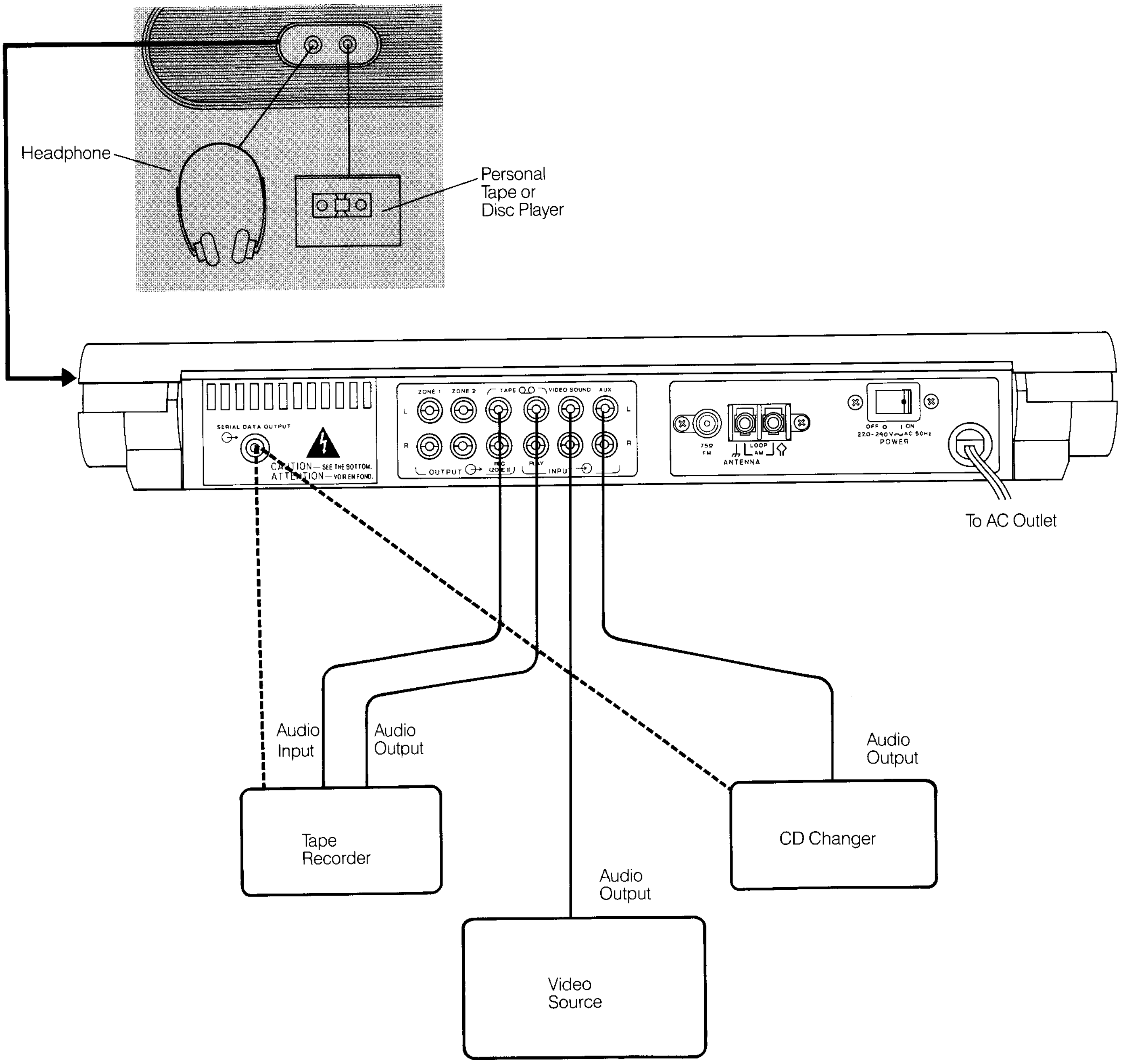

Headphone
Personal Tape or Disc Player
SERIAL DATA OUTPUT
CAUTION—SEE THE BOTTOM.
ATTENTION—VOIR EN FOND.
ZONE 1
ZONE 2
TAPE
VIDEO SOUND
AUX
L
R
OUTPUT
REC (ZONE 2)
PLAY
INPUT
75Ω FM
LOOP AM
ANTENNA
OFF O I ON
220-240V~AC 50Hz
POWER
To AC Outlet
Audio Input
Audio Output
Tape Recorder
Audio Output
CD Changer
Audio Output
Video Source

Figure 16.

External Component Connections

Two Zone Operation

A zone may consist of more than one room or area. In such case more than one Bose® Lifestyle™ powered speaker system will be required. All speakers in one zone must be connected using a "daisy chain" method.

For example: *In a two-story home, the entire lower level could be Zone 1 and multiple rooms in the upper level assigned as Zone 2.*

Use of Y connectors is necessary for multi-room applications. When more than one room is served by a zone, speaker systems with built-in manual volume controls, such as the Bose® Lifestyle powered speaker system, will be required for each room, so that multiple speakers' manual controls can be adjusted independently. The Relay™ controller's volume control will change loudness in all rooms at the same time in a multi-room zone.

Listening in More Than One Zone

To take full advantage of your Lifestyle music center, you will want to learn how to control the system's functions from both Zone 1 and Zone 2. Listening in more than one zone will help you to appreciate the freedom provided by the Lifestyle Music System. The ability to change the control priority from one zone to another is the key to the system's versatility. (See the "Zones—A New Concept" section.)

How To Change the Control Priority

When listening to a sound source that was originally selected in another zone, you will find that you may listen, but cannot control (in other words, you can monitor only) what is playing. That is because the zone that originates the command of a function (CD, tuner, etc.) has control priority over that function. To gain control priority of the sound source, using the Relay controller, simply set the ZONE switch to the *other* zone (the one that first selected that sound source). Now you can control the sound source commands. You can achieve the same result by using the ZONE key of the Music Center.

For example: *You initiate CD play in Zone 1. Later, you go to Zone 2 and start monitoring the CD music. You discover that you cannot operate CD functions from Zone 2. You can gain control by setting the ZONE switch on the Relay Controller to Zone 1. Now the CD commands can be given while you are in Zone 2. Be sure to set the ZONE switch back to Zone 2 if you wish to adjust the volume of the speakers in Zone 2.*

You can also gain control in one zone by turning off the other zone, if no one is listening there.

For example: *Zone 1 selects TUNER. Zone 2 monitors the TUNER, but has no control. Later if no one is in Zone 1, Zone 2 can turn off Zone 1 using the Relay™ controller. This gives TUNER control to Zone 2.*

To relinquish Zone control priority, simply select another source for that Zone, or turn it off.

For example: *Zone 2 starts a CD. Zone 1 selects CD also, but has no control of its functions. When Zone 2 switches to radio listening, Zone 1 is no longer "locked out" of CD function control and can now stop, pause, skip, program, or perform any CD function. Control remains with Zone 1, even if Zone 2 later returns to control CD listening.*

Operating Tips

Nighttime tip: If you plan to listen to one of the Music Center sound sources in your bedroom, it is best to call up that function from Zone 2 (if your bedroom is in that zone), to ensure control priority there.

- Always check the position of the ZONE switch on your Relay controller before you select a sound source or turn off the zone (or system).
- If you are in Zone 2, different types of chirping sound will enable you to operate the system more efficiently (see "The Relay Controller" section).
- You can purchase an additional Relay controller for Zone 2, and leave it in that Zone with its ZONE switch in position 2.

In Case of Difficulty

If the Lifestyle™ music center fails to operate satisfactorily, check the owner's manual to make sure all connections and operations are performed properly. Then use the following guidelines to help determine if the problem can be corrected by a few simple measures. If the problem cannot be corrected, or if it is not listed below, disconnect the power cord and contact your local authorized Bose® dealer or service center for further assistance. Bose will make every effort to remedy any problem within the terms of the warranty at minimum inconvenience to you.

PROBLEM	POSSIBLE SOLUTIONS
System does not function at all	Turn power switch on. Make sure power cord is plugged into an operating AC outlet. Be sure to select a source (CD, tuner, etc.).
No sound	Make sure the correct zone has been selected. Check the speaker connections *(refer to your speaker owner's manual)*. Be sure you have placed a CD properly in the Music Center and the cover is closed. Try increasing the volume. Disconnect headphone. Connect FM and AM antennas.
Relay controller does not function	Check batteries and their polarity (LED indicator should light when any key is pressed). Operate the Relay™ controller closer to the Music Center. Check the House Code switch positions. They should be identical on the Relay controller and the Music Center.
Relay controller operation is not consistent	Check the batteries. Relay controller may be too far from the Music Center. Make sure correct zone has been selected.
CD does not play	Make sure the Music Center is closed properly and is in play mode. The CD may be missing or defective. After pressing the CD key, wait a few seconds before pressing the PLAY key. There may be dirt or dust on the laser pickup.
Tuner does not receive signals	Make sure antenna is connected properly. Adjust antenna orientation to improve reception. You may be in an area of weak signal coverage.
FM sound is distorted	Adjust antenna orientation to reduce multipath interference.
Sound is distorted	Make sure speaker cable has not been damaged. Check volume level; it may be too high. Refer to speaker manual.
No tape sound	Check the connections. Refer to the tape player owner's manual. Disconnect tape player plugged in the side.

Cleaning The Music Center

Wipe the surfaces of the Music Center with a soft cloth.

- *Do Not* use any kind of thinner, alcohol or volatile liquid. Such use will cause damage to the surface and erase markings.

- *Do Not* use any sprays near the system.

Clean the CD player lens carefully, only if necessary, as follows:

If the lens is dusty, blow the dust away using a cold blower or camera lens brush.

If a fingerprint is on the lens, wipe it gently with a lens tissue moistened with lens cleaning solution. These items are available from your local camera store dealer.

- Apply a very small amount of the lens cleaning solution to the tissue. Make sure that no lens cleaning solution enters the unit; it may cause damage.

- *Do Not* apply excessive pressure on the lens, which could be damaged.

Technical Information

Power (Mains) Supply: 220–240 volts ∿ 50 Hz

Power Consumption: 20 Watts

Dimensions: 42 cm x 24.4 cm x 6.2 cm

Weight: 3.5 kg

Supplied Accessories:

- 1 Relay™ controller
- 1 PAL Coaxial Connector
- 1 AM Loop Antenna
- 3 Batteries

TUNER

FM Section:

- 50 dB Quieting Sensitivity, Mono: 15 dBf
- 50 dB Quieting Sensitivity, Stereo: 38 dBf
- Alternate Channel Selectivity: 70 dB minimum
- Tuning range: 87.5–108.0 mHz

AM Section:

- Sensitivity: 250 uV/m
- Tuning range: 531–1602 kHz

Other:

- Line Input (TAPE, AUX, VIDEO SOUND): 150 mV maximum
- Headphone Impedance: 32 Ω minimum
- Relay controller Range: 20 m

ABOUT BOSE®

Bose Corporation was founded by Dr. Amar G. Bose of the Massachusetts Institute of Technology in 1964 to design, manufacture and market quality audio products. Today, Bose Corporation maintains one of the most advanced speaker manufacturing and acoustical research facilities in the world. At Bose, the ongoing study of acoustics is considered essential to designing and building products that will improve sound reproduction.

The first Bose product derived from this research effort—the legendary Bose 901® Direct/Reflecting® speaker system—is still the preferred listening system of music lovers all over the world, and remains the company's performance standard. Today, Bose brings fine sound to people in homes, night clubs, concert halls, theaters, and cruise ships—wherever sound is important. In addition, Bose provides speaker systems that bring the realism of high fidelity sound to some of the finest automobiles, personal computers and television sets in the world.

Continuous research, development, and improvement are the foundation for every Bose product. At Bose, building better sounding products through research is a science.

BOSE®
Better sound through research.

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Tel. (508) 879-7330 Telex 443-0058 Fax (508) 872-6541
European Headquarters-Bose DISTCO BV, Nijverheidstraat 8, 1135 GE Edam, Netherlands Tel. (31) 2993 66661 Telex 16430 Telefax (31) 2993 68163

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